

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): January 19, 2024

SAB BIOTHERAPEUTICS, INC.

(Exact name of Registrant as Specified in Its Charter)

Delaware
(State or Other Jurisdiction
of Incorporation)

001-39871
(Commission File Number)

85-3899721
(IRS Employer
Identification No.)

2100 East 54th Street North
Sioux Falls, South Dakota
(Address of Principal Executive Offices)

57104
(Zip Code)

Registrant's Telephone Number, Including Area Code: 605 679-6980

(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common stock, \$0.0001 par value per share	SABS	The Nasdaq Stock Market LLC
Warrants, each exercisable for one share of Common Stock at an exercise price of \$11.50 per share	SABSW	The Nasdaq Stock Market LLC

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§ 230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§ 240.12b-2 of this chapter).

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Item 7.01 Regulation FD Disclosure.

SAB Biotherapeutics, Inc. (the "Company" or "SAB") is making available an updated corporate presentation (the "Presentation") on the Investor Relations section of the Company's website. A copy of the Presentation is furnished herewith as Exhibit 99.1 and is incorporated herein by reference.

Exhibit 99.1 is being furnished pursuant to Item 7.01 of Form 8-K and will not be deemed to be filed for purposes of Section 18 of the Securities and Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise be subject to the liabilities of that section, nor will it be deemed to be incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act. The information contained in the Presentation is summary information that should be considered in the context of the Company's filings with the Securities and Exchange Commission and other public announcements the Company may make by press release or otherwise from time to time.

Cautionary Note Regarding Forward-Looking Statements

Certain statements made in this current report and the Release that are not historical facts are forward-looking statements for purposes of the safe harbor provisions under The Private Securities Litigation Reform Act of 1995. Forward-looking statements generally are accompanied by words such as "believe," "may," "will," "to be," "estimate," "continue," "anticipate," "intend," "expect," "should," "would," "plan," "predict," "potential," "seem," "seek," "future," "outlook," and similar expressions that predict or indicate future events or trends or that are not statements of historical matters. These forward-looking statements include, but are not limited to, statements regarding future events, including the development and efficacy of our T1D program, and other discovery programs, the closing of each tranche of the Company's private placement offering, the timely funding to the Company by each investor in the private placement offering, financial projections and future financial and operating results (including estimated cost savings and cash runway), the outcome of and potential future government, and other third-party collaborations or funded programs.

These statements are based on the current expectations of SAB and are not predictions of actual performance, and are not intended to serve as, and must not be relied on, by any investor as a guarantee, prediction, definitive statement, or an assurance, of fact or probability. These statements are only current predictions or expectations, and are subject to known and unknown risks, uncertainties and other factors which may be beyond our control. Actual events and circumstances are difficult or impossible to predict, and these risks and uncertainties may cause our or our industry's results, performance, or achievements to be materially different from those anticipated by these forward-looking statements. A further description of risks and uncertainties can be found in the sections captioned "Risk Factors" in our most recent annual report on Form 10-K, as amended, subsequent quarterly reports on Form 10-Q, as may be amended or supplemented from time to time, and other filings with or submissions to, the U.S. Securities and Exchange Commission, which are available at <https://www.sec.gov/>. Except as otherwise required by law, SAB disclaims any intention or obligation to update or revise any forward-looking statements, which speak only as of the date they were made, whether as a result of new information, future events, or circumstances or otherwise.

Item 9.01 Financial Statements and Exhibits.

Exhibit Number	Description
99.1	Presentation
104	Cover Page Interactive Data File-the cover page XBRL tags are embedded within the Inline XBRL document.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

SAB Biotherapeutics, Inc.

Date: January 19, 2024

By: /s/ Eddie J. Sullivan

Eddie J. Sullivan

Chief Executive Officer



FULLY HUMAN ANTITHYMOCYTE BIOLOGIC DEVELOPED TO DELAY ONSET OR PROGRESSION OF TYPE 1 DIABETES

SAB BIOTHERAPEUTICS INTRODUCTION

JANUARY 2024

NASDAQ: SABS

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Forward-Looking Statements



The material in this presentation has been prepared by SAB Biotherapeutics, Inc. ("SAB") and is general background information about SAB's activities current as of the date of this presentation. This information is given in summary form and is not intended to be complete. Information in this presentation, including financial forecasts, should not be considered advice or a recommendation to investors or potential investors in relation to holding, purchasing, or selling securities or other financial products or instruments and does not take into account any particular investment objectives, financial situation or needs.

This presentation may contain forward-looking statements including statements regarding our intent, belief, or current expectations with respect to SAB's businesses and operations, market conditions, results of operations and financial condition, capital adequacy, specific provisions, and risk management practices. Readers are cautioned not to place undue reliance on these forward-looking statements. SAB does not undertake any obligation to update any information herein for any reason or to publicly release the result of any revisions to these forward-looking statements to reflect events or circumstances after the date hereof to reflect the occurrence of unanticipated events unless required by law. While due care has been used in the preparation of forecast information, actual results may vary in a materially positive or negative manner and the presentation may contain errors or omissions. Forecasts and hypothetical examples are subject to uncertainty and contingencies outside SAB's control. Past performance is not a reliable indication of future performance. The forward-looking statements contained or implied in this presentation are subject to other risks and uncertainties, including those discussed under the heading "Risk Factors" in SAB's most recent Annual Report on Form 10-K with the Securities and Exchange Commission (the "SEC") and in other filings that SAB makes with the SEC.

Unless otherwise specified, information is current at the date hereof.

The SAB logo and other trademarks of SAB appearing in this presentation are the property of SAB. All other trademarks, services marks, and trade names in this presentation are the property of their respective owners.

Investment Thesis

- SAB Biotherapeutics is a next generation antibody platform company with human data in > 700 patients across three indications, currently focused on prevention of Type 1 diabetes.
- MoA of SAB-142 in T1D is a proven therapeutic approach with support and enthusiasm from clinicians, opinion leaders and Juvenile Diabetes Research Foundation (JDRF)
- New onset T1D is considered an orphan condition
- Initiated SAB-142-101 FIM study; development plan is designed in partnership with JDRF
- Phase 1 data expected by YE 2024; aiming to demonstrate safety advantage over rATG (zero serum sickness and nADA) due to being fully human antibody to enable re-dosing for prevention and disease modification
- Strategic validation for new drugs for prevention of Type 1 diabetes is demonstrated by Sanofi's acquisition of Provention for \$2.9B, another company sponsored by JDRF

Experienced Management Team



Samuel J. Reich

EXECUTIVE CHAIRMAN, BOD

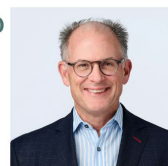
- 20+ years Biopharma Executive and BOD
- Bioentrepreneur
- Co-founder Acuity Pharmaceuticals, OPKO Health, Biscayne Neurotherapeutics
- Molecular Biologist



Eddie J. Sullivan, PhD

PRESIDENT & CEO / CO-FOUNDER

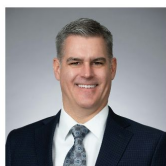
- 20+ years new technology development
- 25+ years biotech
- Former Japanese pharma
- BIO Executive Committee
- Reproductive physiologist



Michael G. King, Jr.

EVP & CHIEF FINANCIAL OFFICER

- 25+ years as award winning biotechnology industry analyst
- Entrepreneur in Residence at Fortress Biotech (FBIO)
- Senior Vice President and Director of Corporate Development Ziopharm Oncology (ZIOP)



Christoph Bausch, PhD, MBA

EVP & CHIEF OPERATING OFFICER

- 20+ years research and discovery, biomanufacturing, business development, and platform technology commercialization
- MilliporeSigma (Merck KGaA)
- Stowers Institute for Medical Research Postdoc



Alexandra Kropotova, MD

EVP & CHIEF MEDICAL OFFICER

- 20+ years global clinical development
- Biopharmaceutical R&D leader, Pfizer, Wyeth, Sanofi, Teva Specialty R&D
- Board member, iBio
- Contributed to numerous patents & compounds leading portfolios from Phase I to BLA and NDA approvals

YOWA KIRIN

Bio

teva

SIGMA-ALDRICH

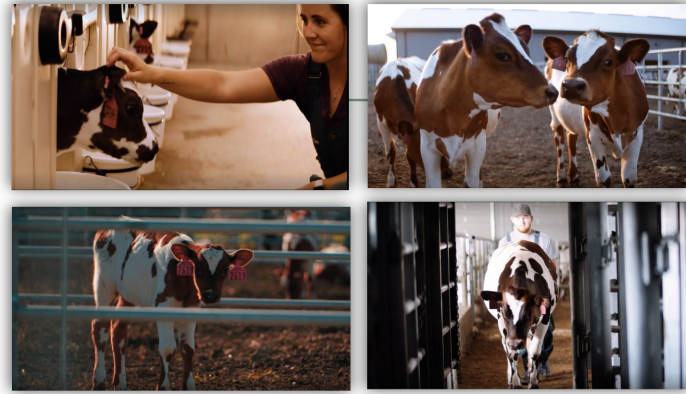
iBio

SANOFI

Pfizer

Human Immunoglobulin G Produced in Transchromosomal Bovine

Tc Bovine™ contain all the human immunoglobulin genes



Human Artificial Chromosome (HAC) ~17Mb contains the entire unarranged VDJ human immunoglobulin loci (IgH + Igκ)

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Tc Bovine™

- Only transgenic animal that carries the entire human immunoglobulin (Ig) heavy and light (κ) chain loci.
- HAC is subject to mitosis along with the other 60 Tc Bovine™ chromosomes.
- HAC present in the Tc Bovine™ allows for the highest production of human immunoglobulin repertoire most similar to humans.



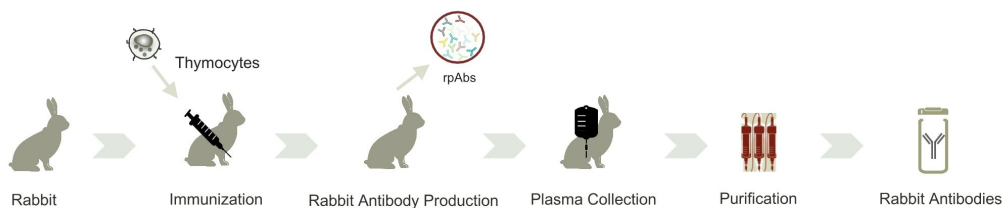


SAB-142: A Human Anti-Thymocyte Globulin (hATG) – Focused Program Development in Type 1 Diabetes

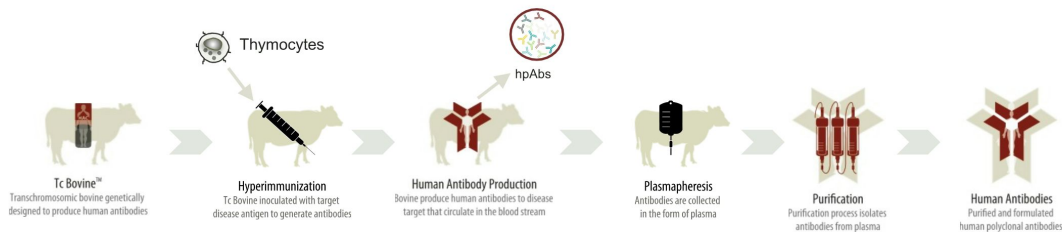
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SAB-142 Production Similar to FDA Approved rATG

Thymoglobulin
Anti-thymocyte Globulin (Rabbit)



SAB-142
Anti-Thymocyte
Globulin (Human)



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Disease Modification is Just Beginning

SAB-142: Fully-human profile has the potential to advance Standard of Care



Stage 2 Prevention Market



Projected to reach >\$1B in WW sales¹ by 2028

In the US, only family relatives are screened for T1D (<10% of patients), but screening programs are expanding



\$2.9B Sanofi acquisition of Provention Bio illustrates **value of prevention market**

Stage 3 Recent Onset Market

64k

64k patients are diagnosed with T1D in the US every year²

With insulin as the only treatment option, patients lose residual beta-cell function over time



SAB-142 is positioned to **quickly advance to the clinic** to address unmet need in recent onset patients

1. Source: Analyst consensus forecast (Evaluate Pharma)

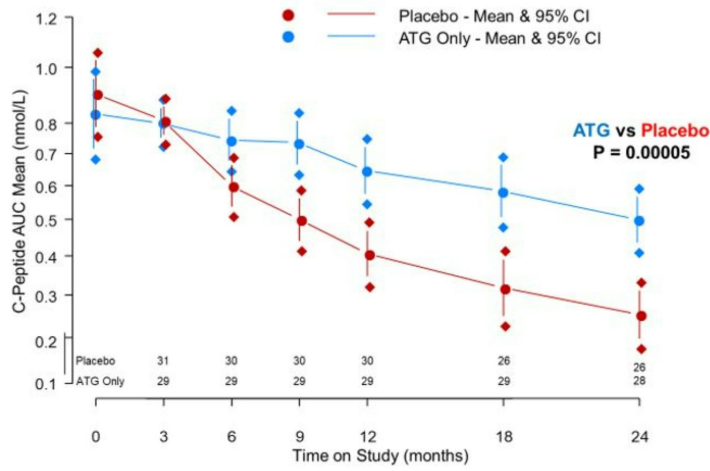
2. Rogers MAM, Kim C, Banerjee T, Lee JM. Fluctuations in the incidence of type 1 diabetes in the United States from 2001 to 2015: a longitudinal study. BMC Med. 2017 Nov 8;15(1):199. doi: 10.1186/s12916-017-0958-6. PMID: 29115947; PMCID: PMC5688827.

SAB-142: MoA Clinically Validated by Rabbit ATG (Thymoglobulin)



2 Years: Low-Dose ATG* Preserved C-Peptide in New Onset T1D

Decline in C-Peptide AUC Mean Over Time by Treatment Group



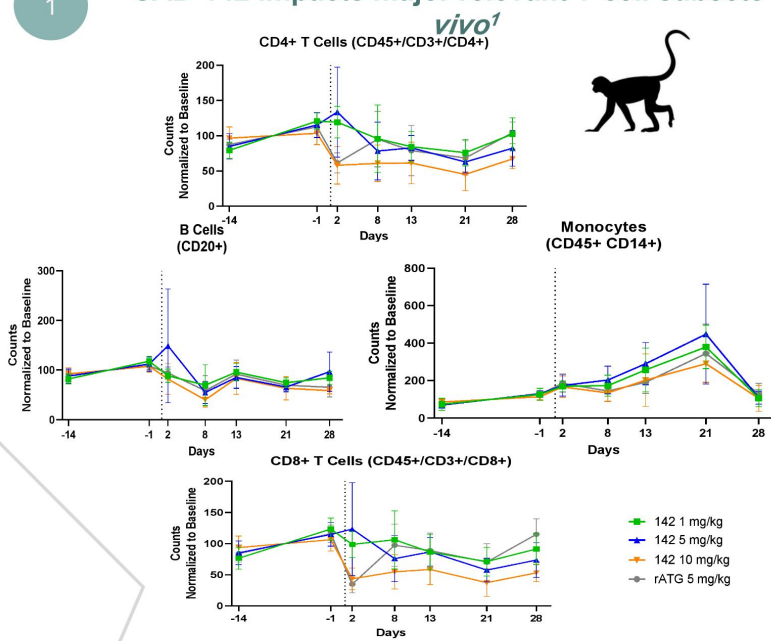
Haller et al. Diabetes. 2019. Jun;68(6):1267-1276

Haller MJ, Long SA, Blanchfield JL, Schatz DA, Skyler JS, Krischer JP, Bundy BN, Geyer SM, Warnock MV, Miller JL, Atkinson MA, Becker DJ, Baidal DA, DiMeglio LA, Gitelman SE, Goland R, Gottlieb PA, Herold KC, Marks JB, Moran A, Rodriguez H, Russell WE, Wilson DM, Greenbaum CJ; Type 1 Diabetes TrialNet ATG-GCSF Study Group. Low-Dose Anti-Thymocyte Globulin Preserves C-Peptide, Reduces HbA_{1c}, and Increases Regulatory to Conventional T-Cell Ratios in New-Onset Type 1 Diabetes: Two-Year Clinical Trial Data. Diabetes. 2019 Jun;68(6):1267-1276.

SAB-142 *In Vivo* Proof of Principle

Demonstrated impact on major relevant T-cell subsets

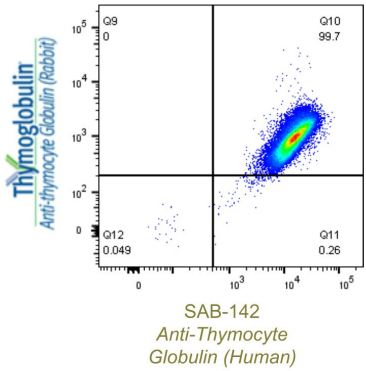
1 SAB-142 impacts major relevant T-cell subsets *in vivo*¹



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2 Identical In Vitro Binding¹

SAB-142 vs. Rabbit THYMO-AF488



1. Data on file



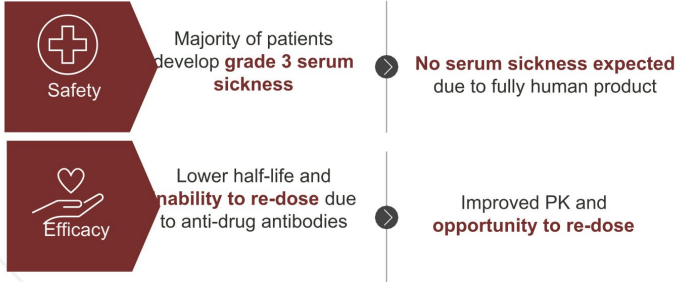
Potential Advantages of SAB-142 in Stage 3: Teplizumab vs Thymoglobulin

	Teplizumab (Tzielid) Phase 3 study	Thymoglobulin Phase 2 data	Take-away/Added Value
Age	8-17yo	12-45yo	rATG shown to work in the broader range of patients, i.e. adults & pediatric/adolescent Significant market size won't be eligible for tmt with TZIELD
Dosing	Two courses of IV daily therapy for 12 days, at Month 1 and Month 6	A single dose of IV administered over 2 days	ATG has more convenient for patient' dosing regimen potentially to result in cost-savings associated with drug administration and patients monitoring
Primary time point	Week 78 (1.5 years)	Week 52 (1 year)	Requires 2 courses and longer time to primary end point
Sample size	200 on TZIELD, 100 on PBO	29 on ATG, 31 on PBO	ATG has stronger efficacy that required smaller sample size to show stat significant results
Efficacy C-peptide	Primary end point of C-peptide levels met at Week 78	Primary end point of C-peptide AUC met at Week 52	ATG showed larger AUC C-peptide efficacy vs PBO
Efficacy HbA1C	No stat significant data	Statistically significant data at Week 52 for both, ATG and ATG-GCSF	ATG showed stat significant clinical results on HbA1V
Efficacy insulin	Numerical trend	Numerically better vs PBO (less insulin added in ATG group vs PBO group)	Data at parity

SAB-142 Has a Similar MoA to rATG with Several Distinct Safety Advantages



Thymoglobulin
Anti-thymocyte Globulin (Rabbit)



Robust Human Safety & Immunogenicity Database in >700 Subjects¹

✓
ZERO (0) Subjects with Serum Sickness¹

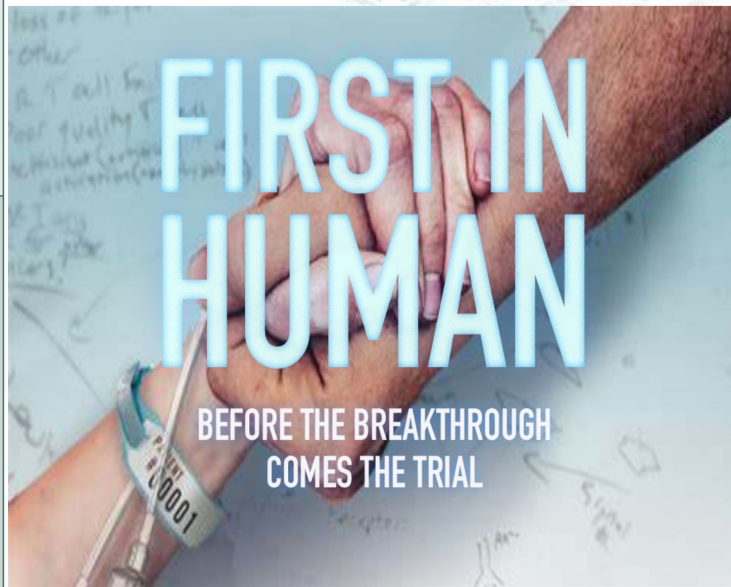
✓
ZERO (0) Subjects with neutralizing ADA¹

SAB-142: Clinical Development Plan in T1D

****Topline Data by End of Dec 2024**



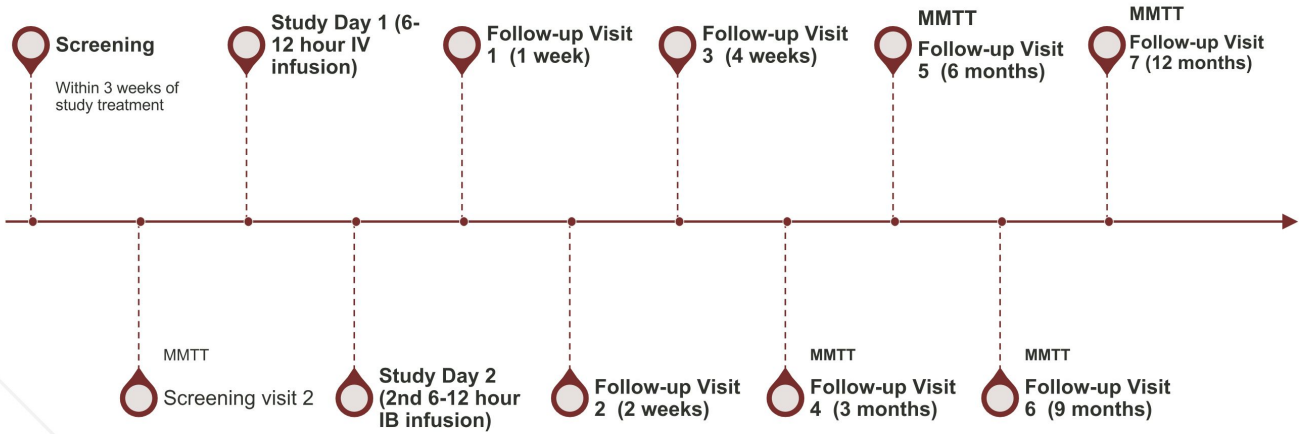
STUDY DESIGN	<p>"Fully HUMAN anti-thymocyte biologic in first-in-MAN clinical study (HUMAN trial)"</p> <p>Phase 1: First in Human, Randomized, Single Ascending Dose trial SAB-142 dose range: 0.03mg/kg up to 2.5mg/kg</p>
ENDPOINTS	<p>Primary end point: Acute (serum sickness, CRS) and long-term (rate of infections) safety</p> <p>Secondary end points: pharmacokinetics, pharmacodynamics, immunogenicity/ADA</p> <p>Major outcomes:</p> <ul style="list-style-type: none">○ Validate safety superiority based on the anticipated 0% of serum sickness and nAbs○ Validate MoA of SAB-142 in humans○ Proof of Biological Activity (POBA): change vs baseline in CD3, CD8, CD4, CD8/CD4 ratio, Tregs compared to rATG (cross study)



SAB-142-201: Phase 2B SAFEGUARD Study Design



“SAFety and Efficacy of Human Antithymocyte ImmunoGlobUlin SAB-142
ARresting Progression of Type 1 Diabetes”



*Wilhelm-Benartzi CS, Miller SE, Bruggraber S, et al. Study protocol: Minimum effective low dose: anti-human thymocyte globulin (MELD-ATG): phase II, dose ranging, efficacy study of antithymocyte globulin (ATG) within 6 weeks of diagnosis of type 1 diabetes. *BMJ Open* 2021;11:e053669. doi:10.1136/bmjopen-2021-053669

2023 SAB 142: R&D and Clinical Progress

JAN 2023

- Completed IND-enabling GLP toxicology study



OCT 2023

- Registered Phase 1 trial with Australian New Zealand Clinical Trials Registry (ANZCTR)
- Phase 1 clinical trial info (ACTRN:1262300108962) can be found here.



NOV 2023

- Commenced Phase 1 HUMAN clinical trial (Fully HUMAN anti-thymocyte biologic in first-in-MAN clinical study)
- First subjects dosed in Australia

OCT 2023

- Approval by the Human Research Ethics Committee (HREC) to commence a First-in-Human Phase 1 clinical trial in Australia

NOV 2023

- Acknowledgement of a Clinical Trial Notification (CTN) from the Australian Government Department of Health Therapeutic Goods Administration (TGA) submitted for Phase 1 study



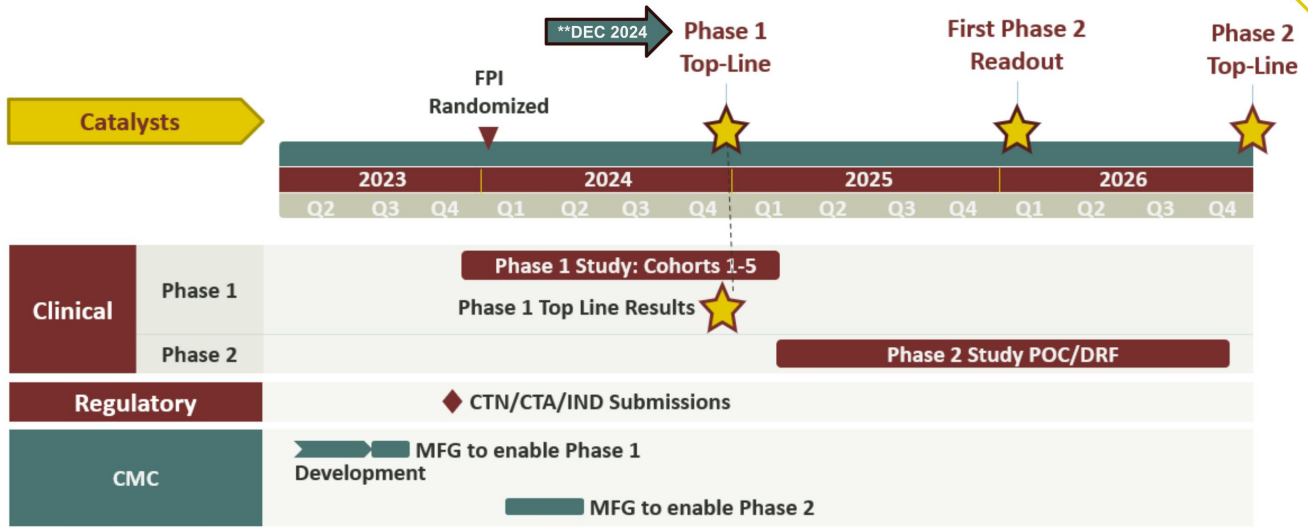
Australian Government
National Health and Medical Research Council



Australian Government
Department of Health and Aged Care
Therapeutic Goods Administration



SAB-142 Key Milestones



FPI = First Patient In POC = Proof of Concept DRF = Dose-Range Finding Study CTA = Clinical Trial Application CTN = Clinical Trial Notification

- Phase 1 / Phase 2 Major Outcomes:**
- ✓ 0% serum sickness
 - ✓ 0% ADA/nADA (Anti-Drug Antibodies)
 - ✓ Superior efficacy vs TZIELD on C-peptide
 - ✓ Superior efficacy vs TZIELD on HbA1C

Committed T1D Clinical Development and Investor Partners

- **T1D Committed Investor Partners:** Financing of up to \$110 million in gross proceeds dedicated to clinically advance SAB-142 through 2026 and Topline Phase 2 results:

- ❖ Sessa Capital
- ❖ BVF Partners
- ❖ RTW Investments
- ❖ Marshall Wace
- ❖ ATW
- ❖ JDRF T1D Fund

- **T1D Clinical Development Partner:** SAB-142 clinical development plan designed in partnership with the Juvenile Development Research Foundation (JDRF)



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SAB-142 Factors for Success

SAB-142 is a fully human anti-thymocyte biologic being developed for delaying the onset and progression of new onset of Type 1 Diabetes with MoA that was clinically validated by the third party compound¹

- ❑ Drugs pursuing validated MoA have **2X higher chance of FDA approval** compared to non-clinically validated targets²
- ❑ Drugs being developed for orphan disease have **7.2X investment multiplier and 36% annual returns** compared to non-orphan disease indications, both are statistically significantly higher³

FDA Orphan Designation Status	Investment Multiple (χ)			Annual Return (%)		
	Value	95% CI ^a	ρ Value	Value (%)	95% CI ^a	ρ Value
Orphan	7.2χ	(5.6-9.0)	<0.001	46	(37-56)	<0.001
Non-Orphan	2.1 χ	(1.6-2.6)		12	(8-16)	

1. Haller MJ, Gitelman SE, Gottlieb PA, Michels AW, Perry DJ, Schultz AR, Hulme MA, Shuster JJ, Zou B, Wasserfall CH, Posgai AL, Mathews CE, Brusko TM, Atkinson MA, Schatz DA. Antithymocyte Globulin Plus G-CSF Combination Therapy Leads to Sustained Immunomodulatory and Metabolic Effects in a Subset of Responders With Established Type 1 Diabetes. *Diabetes*. 2016 Dec;65(12):3765-3775. doi: 10.2337/db16-0823. Haller MJ, Schatz DA, Skyler JS, Krischer JP, Bundy BN, Miller JL, Atkinson MA, Becker DJ, Baidal D, DiMeglio LA, Gitelman SE, Goland R, Gottlieb PA, Herold KC, Marks JB, Moran A, Rodriguez H, Russell W, Wilson DM, Greenbaum CJ; Type 1 Diabetes TrialNet ATG-GCSF Study Group. Low-Dose Anti-Thymocyte Globulin (ATG) Preserves β -Cell Function and Improves HbA_{1c} in New-Onset Type 1 Diabetes. *Diabetes Care*. 2018 Sep;41(9):1917-1925.
2. <https://hbswk.hbs.edu/item/in-a-landscape-of-me-too-drug-development-what-spurs-radical-innovation>
3. Michaeli DT, Yagmur HB, Achmadeev T, Michaeli T. Valuation and Returns of Drug Development Companies: Lessons for Bioentrepreneurs and Investors. *Ther Innov Regul Sci*. 2022 Mar;56(2):313-322. doi: 10.1007/s43441-021-00364-y. Epub 2022 Jan 11. PMID: 35018622; PMCID: PMC8854317.





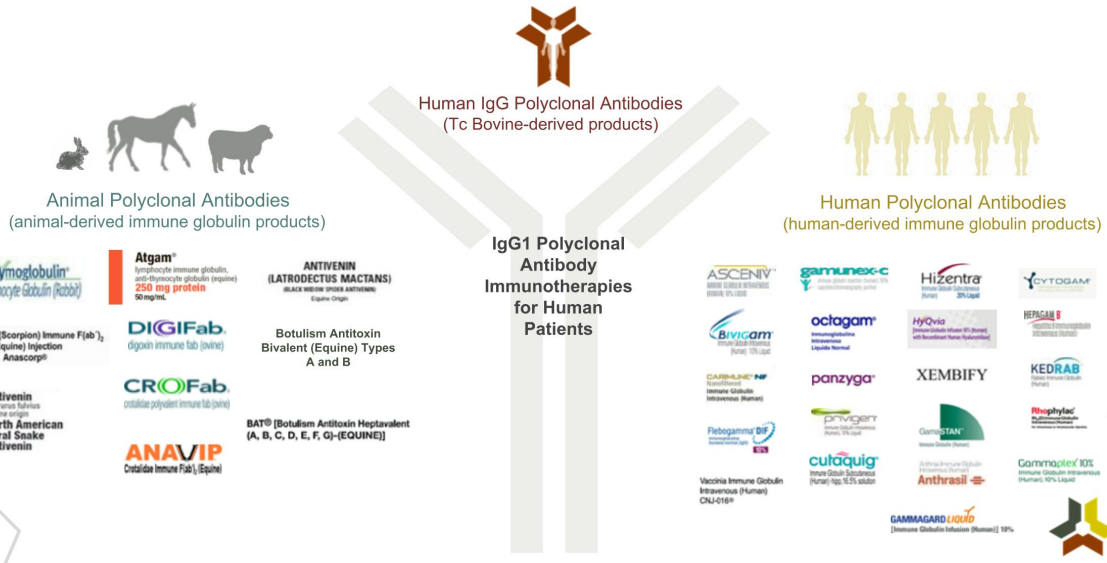
APPENDIX

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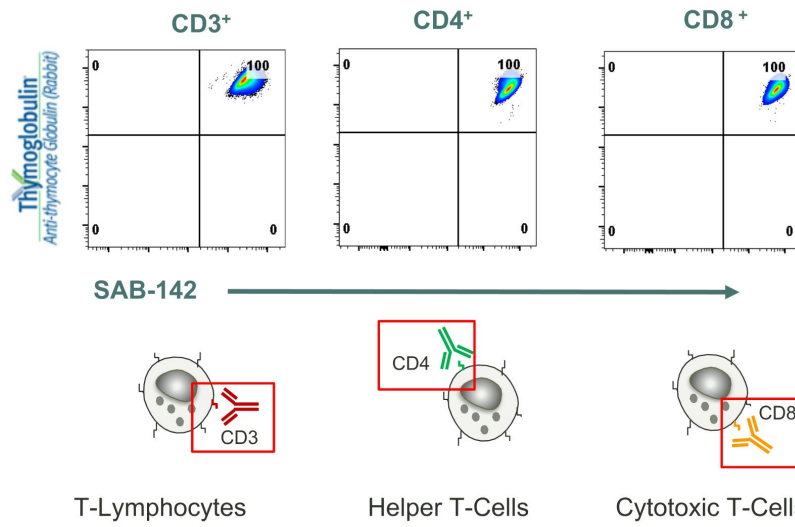
Proven Clinical Regulatory Path for IgG Polyclonal Antibody Products

40+ FDA Approved through the Center for Biologics Evaluation and Research (CBER)



SAB-142 Demonstrates Similar T-Cell Subset Binding Profile as rATG

Targets T-cells (CD3⁺), T-Helper Cells (CD4⁺), and T-Killer Cells (CD8⁺) similar to rATG suggesting similar multi-target binding




SAB-142 Has Potential for a Best-in-Class Safety Profile with Higher Potency Compared to FDA Approved Rabbit ATG (Thymoglobulin)



Better Safety Profile

Red Blood Cell Binding

Sample	Activity (µg/mL)
 Thymoglobulin <i>Anti-thymocyte Globulin (Rabbit)</i>	20
SAB-142	280

Hemagglutinin (HA) Titer :


(Protein conc/endpoint titer/dilution) *1000 = relative active concentration of antibody to cause complete agglutination of the red blood cells.

Higher (ug/mL) number = decreased RBC binding (desired)



Higher Potency

Complement-dependent cytotoxicity (CDC)

Sample	Mean EC ₅₀ ±SD (µg/mL)
 Thymoglobulin <i>Anti-thymocyte Globulin (Rabbit)</i>	162 ± 8
SAB-142	22 ± 2

CDC Assay:

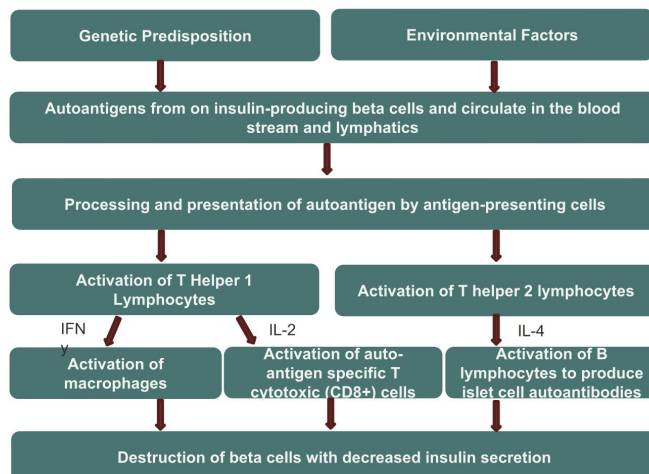
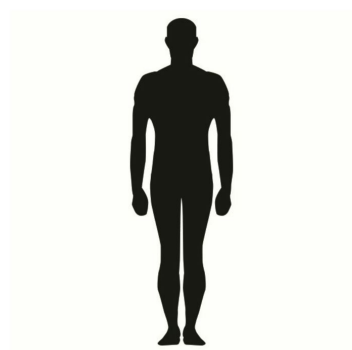
Concentration (µg/mL) of antibody required to cause targeted cell death in the presence of human complement.

Data generated by a third party, N=4 replicates

Lower number = higher activity/potency

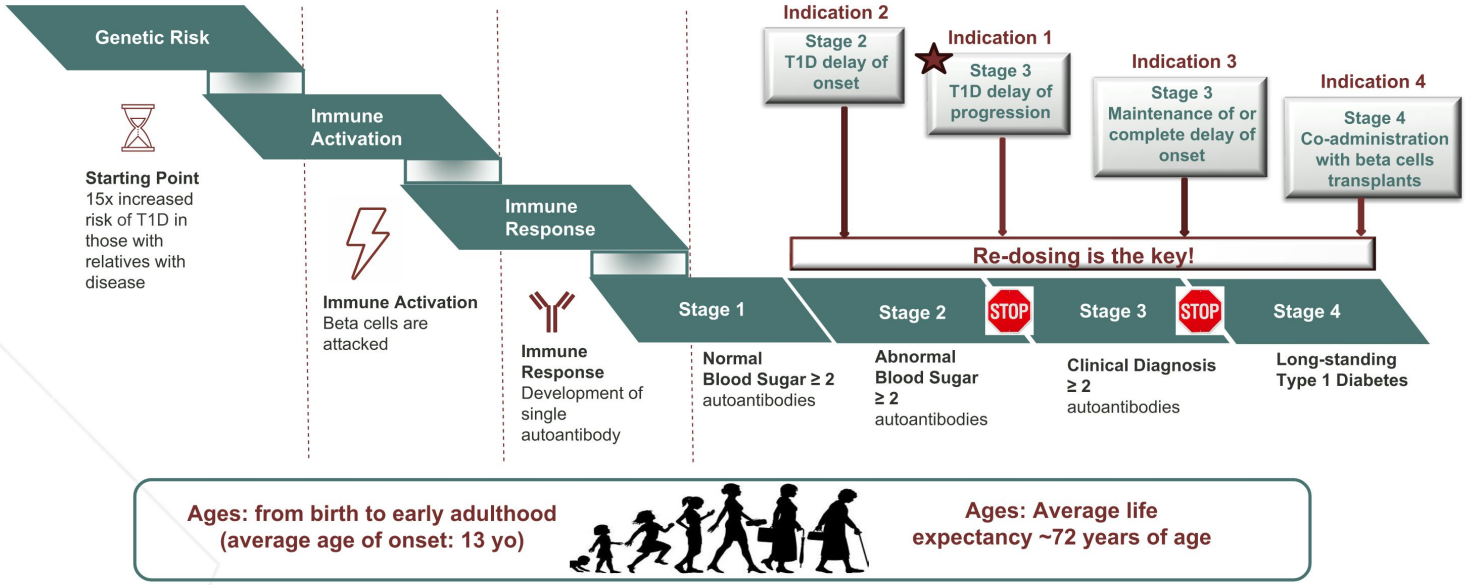
T1D Pathophysiology¹

Major relevant immune-cell subsets



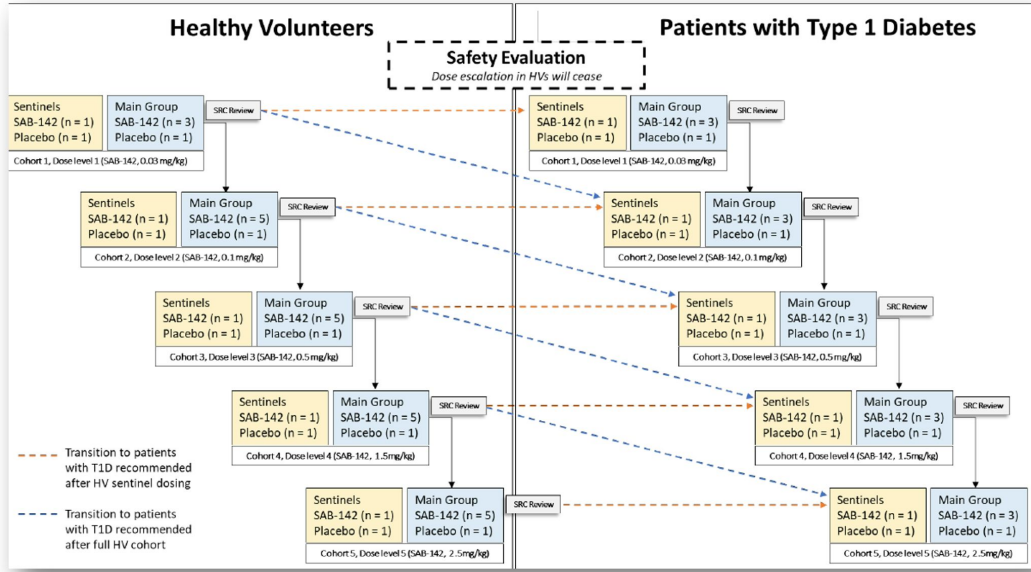
1. Pathophysiology: The Biologic Basis for Disease in Adults and Children. Kathryn L. McCance, RN, PhD, Sue E. Huether, RN, PhD 2014

SAB-142 has Strong Potential to Control or Prevent T1D Over the Entire Life Span



SAB-142-101 Study Schematic: Adaptive Design with Topline by End of Dec 2024

Significant cost-savings to conduct Phase 1 in AUS and in HVs



SAFety and Efficacy of Human Antithymocyte ImmunoGlobulin SAB-142 ARresting Progression of Type 1 Diabetes

A Phase 2B, Randomized, Double-Blind, Placebo-Controlled, Dose-Ranging Study Evaluating the Efficacy and Safety of SAB-142 for the delay of progression of Type 1 Diabetes in new/recent onset Stage 3 T1D patients

Key Design Features	Key Inclusion/Exclusion
<p style="text-align: center;">DRF vs POC</p> <p>Current Dose-Range Finding (DRF) Phase 2B design allows:</p> <ol style="list-style-type: none"> 1. Higher POS due to two active arms 2. Faster time to BLA submission <ul style="list-style-type: none"> • 111 T1D patients enrolled • SAB-142 High, SAB-142 Low, placebo <ul style="list-style-type: none"> □ Enrolled in 1:1:1 <ul style="list-style-type: none"> ○ 37 patients/arm □ SAB-142 doses: <ul style="list-style-type: none"> ○ High dose: TBC based on Phase 1 data ○ Low dose: TBC based on Phase 1 data • Enrollment to begin Q12025 • Enrollment timeframe: target 12 months IF adolescents are allowed • Countries to be included: <ul style="list-style-type: none"> ○ *AUS/NZ - early start ○ *UK-early start ○ EU ○ United States/Canada • Sites: ~30+ 	<p>Inclusion</p> <ul style="list-style-type: none"> □ Age: 18-25 <ul style="list-style-type: none"> ○ Step-down to age 12 after first 15 patients (10 on active) randomized & treated ○ Potential step down to age 8 or 5 following another 15 adults & adolescents enrolled □ Diagnosed with T1D (defined as the first insulin dose) within the last 9 weeks of Day 1 □ C- Peptide of >200pmol/L □ One or more diabetes related autoantibody <p>Exclusion</p> <ul style="list-style-type: none"> □ Type 2 Diabetes □ Clinically significant labs full blood count, renal function, liver function. □ Use of Immunosuppressive or immunomodulating therapies □ Prior or current tuberculosis □ Active or chronic infections at screening or when entering treatment □ History of malignancy □ Use of other non-insulin products for glycemic control □ Prior treatment with ATG, abatacept, or anti-CD3 antibodies

SAB-142-201: A Phase 2B Study

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Primary Objective:

- To evaluate the change in stimulated C-Peptide response following the MMTT at Month 12 following a single dose of SAB-142

Secondary Objectives:

- To determine the effects of SAB-142 on time in range (TIR)
- To determine the effects of SAB-142 on T1D Beta score (composite end point)
- To determine the effects of SAB-142 on HbA1c at 3, 6, 9, and 12 months
- To determine the effects of SAB-142 on stimulated C-Peptide at 3, 6, 9 months.
- To determine the effects of SAB-142 on Insulin requirements
- To determine the effects of SAB-142 on the reduction of CD4+ T-cells and preservation of CD8+ T-cells
- To evaluate the safety parameters associated with SAB-142
- To evaluate the PK and immunogenicity of SAB-142 in Stage 3 T1D patients

Exploratory Objectives:

- To study the effects of treatment on "responder" biomarkers associated with Type 1 Diabetes

Summary

- **SAB-142:** First-in-class fully-human multi-target antibody treatment aimed to provide superior safety and efficacy for delaying onset or progression of Type 1 Diabetes.
- **MoA** of SAB-142 in T1D is clinically- validated in numerous clinical trials with rabbit ATG
- **Safety database** with human data in > 700 patients SAB antibodies produced by DIVERSITAB™ platform supports anticipated zero (0) serum sickness and zero (0) neutralizing antibodies with SAB-142 in upcoming T1D studies
- **Established Regulatory path** for T1D indications and SAB-142 asset as fully human multi-epitope multi-target modality
- **Next steps:** Completion of First-in-Human Phase 1 SAB-142-101 study by the end of 2024